



1600

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/582,761B

TIME: 10:46:40

Input Set : A:\37945008.app

Output Set: N:\CRF4\04172003\I582761B.raw

3 <110> APPLICANT: COX, VIVienne FRANCES
 4 SMITH, RICHARD ANTHONY GODWIN
 5 ROWLING, PAMELA JANE ELIZABETH
 7 <120> TITLE OF INVENTION: NON-IDENTICAL GENES AND THEIR APPLICATION IN
 8 IMPROVED MOLECULAR ADJUVANTS
 10 <130> FILE REFERENCE: 37945-0008
 12 <140> CURRENT APPLICATION NUMBER: 09/582,761B
 C--> 13 <141> **CURRENT FILING DATE: 1990-09-14**
 15 <150> PRIOR APPLICATION NUMBER: PCT/GB98/03918
 16 <151> PRIOR FILING DATE: 1998-12-30
 18 <150> PRIOR APPLICATION NUMBER: GB 9727512.7
 19 <151> PRIOR FILING DATE: 1997-12-31
 21 <160> NUMBER OF SEQ ID NOS: 49
 23 <170> SOFTWARE: PatentIn version 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 100
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz1
 33 <220> FEATURE:
 34 <221> NAME/KEY: modified_base
 35 <222> LOCATION: (24)
 36 <223> OTHER INFORMATION: a, c, g or t
 38 <220> FEATURE:
 39 <221> NAME/KEY: modified_base
 40 <222> LOCATION: (30)
 41 <223> OTHER INFORMATION: a, c, g or t
 43 <220> FEATURE:
 44 <221> NAME/KEY: modified_base
 45 <222> LOCATION: (33)
 46 <223> OTHER INFORMATION: a, c, g or t
 48 <220> FEATURE:
 49 <221> NAME/KEY: modified_base
 50 <222> LOCATION: (39)
 51 <223> OTHER INFORMATION: a, c, g or t
 53 <220> FEATURE:
 54 <221> NAME/KEY: modified_base
 55 <222> LOCATION: (57)
 56 <223> OTHER INFORMATION: a, c, g or t
 58 <220> FEATURE:
 59 <221> NAME/KEY: modified_base
 60 <222> LOCATION: (63)

P.6
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61 <223> OTHER INFORMATION: a, c, g or t
63 <220> FEATURE:
64 <221> NAME/KEY: modified_base
65 <222> LOCATION: (69)
66 <223> OTHER INFORMATION: a, c, g or t
68 <220> FEATURE:
69 <221> NAME/KEY: modified_base
70 <222> LOCATION: (72)
71 <223> OTHER INFORMATION: a, c, g or t
73 <220> FEATURE:
74 <221> NAME/KEY: modified_base
75 <222> LOCATION: (78)
76 <223> OTHER INFORMATION: a, c, g or t
78 <220> FEATURE:
79 <221> NAME/KEY: modified_base
80 <222> LOCATION: (81)
81 <223> OTHER INFORMATION: a, c, g or t
83 <400> SEQUENCE: 1
W--> 84 caccgagcc atatgagatc tacnccwgcg ggntchggng arcaraayat gatyggnatg      60
85 acnccwacng tnatygcngt ncactacctg gaccagaccg      100
88 <210> SEQ ID NO: 2
89 <211> LENGTH: 94
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz2
96 <220> FEATURE:
97 <221> NAME/KEY: modified_base
98 <222> LOCATION: (19)
99 <223> OTHER INFORMATION: a, c, g or t
101 <220> FEATURE:
102 <221> NAME/KEY: modified_base
103 <222> LOCATION: (40)
104 <223> OTHER INFORMATION: a, c, g or t
106 <220> FEATURE:
107 <221> NAME/KEY: modified_base
108 <222> LOCATION: (61)
109 <223> OTHER INFORMATION: a, c, g or t
111 <400> SEQUENCE: 2
W--> 112 ggccagctgc tgggtrtanc cyttyttrat vagytevagn gcytcytrc gytttycrat      60
113 nccraaytty tccaytgyt cggctctggtc cagg      94
116 <210> SEQ ID NO: 3
117 <211> LENGTH: 93
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz3
124 <220> FEATURE:
125 <221> NAME/KEY: modified_base

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126 <222> LOCATION: (35)
127 <223> OTHER INFORMATION: a, c, g or t
129 <220> FEATURE:
130 <221> NAME/KEY: modified_base
131 <222> LOCATION: (41)
132 <223> OTHER INFORMATION: a, c, g or t
134 <220> FEATURE:
135 <221> NAME/KEY: modified_base
136 <222> LOCATION: (44)
137 <223> OTHER INFORMATION: a, c, g or t
139 <220> FEATURE:
140 <221> NAME/KEY: modified_base
141 <222> LOCATION: (68)
142 <223> OTHER INFORMATION: a, c, g or t
144 <220> FEATURE:
145 <221> NAME/KEY: modified_base
146 <222> LOCATION: (77)
147 <223> OTHER INFORMATION: a, c, g or t
149 <400> SEQUENCE: 3
W--> 150 cccagcagct ggccttyaar carccwtcht chgcntaygc ngcnttyaay aaycgyccwc 60
151 cwtchacntg getbacngcc tacgtggtca agg 93
154 <210> SEQ ID NO: 4
155 <211> LENGTH: 106
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz4
162 <220> FEATURE:
163 <221> NAME/KEY: modified_base
164 <222> LOCATION: (32)
165 <223> OTHER INFORMATION: a, c, g or t
167 <220> FEATURE:
168 <221> NAME/KEY: modified_base
169 <222> LOCATION: (35)
170 <223> OTHER INFORMATION: a, c, g or t
172 <220> FEATURE:
173 <221> NAME/KEY: modified_base
174 <222> LOCATION: (38)
175 <223> OTHER INFORMATION: a, c, g or t
177 <220> FEATURE:
178 <221> NAME/KEY: modified_base
179 <222> LOCATION: (47)
180 <223> OTHER INFORMATION: a, c, g or t
182 <220> FEATURE:
183 <221> NAME/KEY: modified_base
184 <222> LOCATION: (62)
185 <223> OTHER INFORMATION: a, c, g or t
187 <220> FEATURE:
188 <221> NAME/KEY: modified_base

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189 <222> LOCATION: (74)
190 <223> OTHER INFORMATION: a, c, g or t
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (77)
195 <223> OTHER INFORMATION: a, c, g or t
197 <220> FEATURE:
198 <221> NAME/KEY: modified_base
199 <222> LOCATION: (89)
200 <223> OTHER INFORMATION: a, c, g or t
202 <400> SEQUENCE: 4
W--> 203 ccggcttctg cttctccagr atvagccayt tncngcncc rcavagnacg tgdgartcra      60
204 tngcratvag rtngcngcv agdgaraana ccttgaccac gtaggc      106
207 <210> SEQ ID NO: 5
208 <211> LENGTH: 95
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence for Fuz5
215 <220> FEATURE:
216 <221> NAME/KEY: modified_base
217 <222> LOCATION: (22)
218 <223> OTHER INFORMATION: a, c, g or t
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221 <221> NAME/KEY: modified_base
222 <222> LOCATION: (25)
223 <223> OTHER INFORMATION: a, c, g or t
225 <220> FEATURE:
226 <221> NAME/KEY: modified_base
227 <222> LOCATION: (40)
228 <223> OTHER INFORMATION: a, c, g or t
230 <220> FEATURE:
231 <221> NAME/KEY: modified_base
232 <222> LOCATION: (46)
233 <223> OTHER INFORMATION: a, c, g or t
235 <220> FEATURE:
236 <221> NAME/KEY: modified_base
237 <222> LOCATION: (67)
238 <223> OTHER INFORMATION: a, c, g or t
240 <220> FEATURE:
241 <221> NAME/KEY: modified_base
242 <222> LOCATION: (70)
243 <223> OTHER INFORMATION: a, c, g or t
245 <220> FEATURE:
246 <221> NAME/KEY: modified_base
247 <222> LOCATION: (76)
248 <223> OTHER INFORMATION: a, c, g or t
250 <400> SEQUENCE: 5
W--> 251 ggagaagcag aagccggayg gngtnttyca rgargayggn ccwgtnatyc accargarat      60

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252 gatyggnggn ttycgnaacg ccaaggaggc agatg 95
255 <210> SEQ ID NO: 6
256 <211> LENGTH: 100
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz6
263 <220> FEATURE:
264 <221> NAME/KEY: modified_base
265 <222> LOCATION: (19)
266 <223> OTHER INFORMATION: a, c, g or t
268 <220> FEATURE:
269 <221> NAME/KEY: modified_base
270 <222> LOCATION: (25)
271 <223> OTHER INFORMATION: a, c, g or t
273 <220> FEATURE:
274 <221> NAME/KEY: modified_base
275 <222> LOCATION: (43)
276 <223> OTHER INFORMATION: a, c, g or t
278 <220> FEATURE:
279 <221> NAME/KEY: modified_base
280 <222> LOCATION: (55)
281 <223> OTHER INFORMATION: a, c, g or t
283 <220> FEATURE:
284 <221> NAME/KEY: modified_base
285 <222> LOCATION: (64)
286 <223> OTHER INFORMATION: a, c, g or t
288 <220> FEATURE:
289 <221> NAME/KEY: modified_base
290 <222> LOCATION: (70)
291 <223> OTHER INFORMATION: a, c, g or t
293 <220> FEATURE:
294 <221> NAME/KEY: modified_base
295 <222> LOCATION: (73)
296 <223> OTHER INFORMATION: a, c, g or t
298 <220> FEATURE:
299 <221> NAME/KEY: modified_base
300 <222> LOCATION: (82)
301 <223> OTHER INFORMATION: a, c, g or t
303 <400> SEQUENCE: 6
W--> 304 gctcccagga aggetrttna cytgnccytc rcaratrtcr cgngcytcyt gvagngcrat 60
305 vagnacraan gcngtvagdg anacatctgc ctccttggeg 100
308 <210> SEQ ID NO: 7
309 <211> LENGTH: 101
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence of Fuz7
316 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/582,761B

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 24,30,33,39,57,63,69,72,78,81
Seq#:2; N Pos. 19,40,61
Seq#:3; N Pos. 35,41,44,68,77
Seq#:4; N Pos. 32,35,38,47,62,74,77,89
Seq#:5; N Pos. 22,25,40,46,67,70,76
Seq#:6; N Pos. 19,25,43,55,64,70,73,82
Seq#:7; N Pos. 26,29,44,74,77,80,86
Seq#:8; N Pos. 34,37,52,55
Seq#:9; N Pos. 30,36,39,48,57
Seq#:10; N Pos. 17,26,29,35,41,47,50,53,80
Seq#:11; N Pos. 25,31,49,61
Seq#:12; N Pos. 31,34,37,40,46,49,52,55,61

VERIFICATION SUMMARY

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Input Set : A:\37945008.app

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
M:341 Repeated in SeqNo=12